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fishes and are a valuable contribution which will be of use not only to the citizens of Kansas, but to all students of fossil fish.

S. W.

Profiles of Rivers in the United States. By HENRY GANNETT.
Water-Supply and Irrigation Paper No. 44, United States
Geological Survey.

This interesting and valuable publication embodies within a hundred pages the leading facts of about one hundred and fifty of the most important rivers and streams of the country, noting their length, drainage area, the location of water power in their courses, their peculiarities of flow, and the nature of their drainage basins.

The rivers selected are those which are the largest in size and bear most directly upon the varied interests of the country, such as the Connecticut, Hudson, Susquehanna, Ohio, Potomac, Mississippi, Missouri, Platte, Colorado, Sacramento, Columbia, and others. The figures for the tables showing height above sea level and fall per mile were collected from various sources; some were obtained from the report of the chief engineer of the United States army, some from railroad companies when their lines cross streams, and some from the Atlas sheets of the United States Geological Survey.

In the case of such rivers as the Connecticut, Susquehanna, Mississippi, and Colorado, where the surrounding country is, in part or whole, of peculiar physiographic interest, very excellent and vivid descriptions of its leading physical characteristics are given. The pamphlet is the result of much careful work, and is the first attempt to collect and compile this information in its present form.

G. B. H.

Yearbook of the United States Department of Agriculture for 1900.
Washington, 1901.

The portions of this important volume of most interest to geologists are those which relate to soil investigation and the special papers on "Mountain Roads," by James W. Abbott; "The Selection of Materials for Macadam Roads," by Logan Waller Page; "Objects and Methods of Investigating Certain Physical Properties of Soils," by Lyman J. Briggs; and "Practical Irrigation," by C. T. Johnston and J. D. Stannard.

C.